

UniCat Colloquium

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Lecturer: **Prof. Karin Hauser**, Biophysical Chemistry, Universität Konstanz, Germany

Title: ***Protein folding, misfolding and aggregation studied by time-resolved IR-spectroscopy***

Abstract: Understanding the molecular mechanisms of protein folding is an active field in biophysical research since misfolded proteins usually lose their biological function or even cause diseases. Analysis of folding events requires fast initiation methods. We develop time-resolved infrared spectroscopic techniques to analyze ns-to- μ s relaxation dynamics with laser-excited temperature jumps. The combination with isotopic editing facilitates residue-specific resolution without perturbing spectroscopic probes.

Date: **Wednesday, May 16, 2012**

Time: **5:15 pm - around 6:45 pm**

Location: **TU Berlin
Institute of Chemistry
Straße des 17. Juni 115
10623 Berlin
Building C
Lecture Hall C 264**

Organizer: **Prof. Peter Hildebrandt (TUB)**

Coffee and tea will be served thirty minutes prior to the lecture start.
Guests are cordially invited to attend!

Prof. Dr. Matthias Driess, Chair of the Cluster of Excellence UniCat